AMENDMENT AND PRESENTATION OF CLAIMS

Please replace all prior claims in the present application with the following claims, in which claims 1-10 are currently amended.

1. (Currently Amended) A high-frequency ~~High-frequency~~ measuring system for measuring a device under test ~~(19)~~, comprising:
a measuring-device unit ~~(2)~~; and
at least one high-frequency module ~~(3, 24, 25)~~, wherein each high-frequency module ~~(3, 24, 25) can be~~ is placed spatially ~~separately~~ separated from the measuring-device unit ~~(2)~~ and each high-frequency module ~~(3, 24, 25) can be~~ is connected to the measuring-device unit ~~(2)~~ via a digital interface ~~(23, 26, 27)~~, wherein
~~characterised in that~~
~~the~~ processing of input data to form a bitstream ~~to be transmitted~~ for transmission via the digital interface ~~(26) takes place by~~ includes assigning ~~the~~ symbols to states in ~~the~~ a state diagram of an ~~the~~ I-Q (in phase – quadrature phase) level in the measuring-device unit ~~(2)~~, or
~~and/or that~~ a ~~digitised~~ digitized intermediate-frequency signal is transmitted via the digital interface ~~(27)~~.

2. (Currently Amended) A high-frequency ~~High-frequency~~ measuring system according to claim 1, wherein
~~characterised in that~~
the at least one high-frequency module ~~(3, 24, 25)~~ comprises a transmitter device ~~and/or~~ or a receiver device ~~(28, 29)~~ for communication with a the device under test ~~(19)~~.

3. (Currently Amended) A high-frequency ~~High-frequency~~ measuring system according to claim 1 ~~or 2~~, wherein
~~characterised in that~~
the digital interface ~~(23, 26, 27)~~ is a serial interface.

4. (Currently Amended) A high-frequency ~~High-frequency~~ measuring system according to claim 1 ~~or 2~~, wherein

~~**characterised in that**~~

the digital interface ~~(23, 26, 27)~~ is a parallel interface.

5. (Currently Amended) A high-frequency ~~High-frequency~~ measuring system according to claim ~~any one of claims~~ 1 ~~to 4~~, wherein

~~**characterised in that**~~

the digital interface ~~(23, 26, 27)~~ is an optical interface.

6. (Currently Amended) A high-frequency ~~High-frequency~~ measuring system according to claim ~~any one of claims~~ 1 ~~to 4~~, wherein

~~**characterised in that**~~

the digital interface ~~(23, 26, 27)~~ is an electrical interface.

7. (Currently Amended) A high-frequency ~~High-frequency~~ measuring system according to claim ~~any one of claims~~ 1 ~~to 6~~, wherein

~~**characterised in that**~~

the at least one high-frequency module ~~(3, 24, 25)~~ is supplied with electrical energy via a power-supply unit ~~(14, 40)~~ independent from the measuring-device unit ~~(2)~~.

8. (Currently Amended) A high-frequency ~~High-frequency~~ measuring system according to claim ~~any one of claims~~ 1 ~~to 7~~, wherein

~~**characterised in that**~~

~~several~~ a plurality of identical ports ~~(5.1, 5.2, 5.3)~~ are provided on the measuring-device unit ~~(2)~~ for the digital interface ~~(23)~~.

9. (Currently Amended) A high-frequency ~~High-frequency~~ measuring system according to claim ~~any one of claims~~ 1 ~~to 8~~, wherein

~~**characterised in that**~~

~~several~~ a plurality of different ports ~~(5.1, 5.2, 5.3, 6.1, 6.2, 6.3)~~ are provided on the measuring-device unit for the digital interface ~~(23)~~.

10. (Currently Amended) A high-frequency ~~High-frequency~~ measuring system according to claim ~~any one of claims~~ 1 ~~to 9~~, wherein

~~**characterised in that**~~

control data or ~~and/or~~ user data is ~~can be~~ transmitted in a standardized ~~standardised~~ form via the digital interface, and ~~that~~ wherein the at least one high-frequency module ~~(24')~~ comprises means for processing a high-frequency signal with regard to the transmission of data in standardized ~~standardised~~ form via the digital interface or ~~and/or~~ for processing the data transmitted in standardized ~~standardised~~ form with regard to at least one predetermined ~~given~~ transmission standard for the high-frequency signal.